

Bricks

240

Reading



VOTE



BUMBLEBEES



LEVEL



WHALE POOP



E-COMMERCE WASTE



E-BOOK



MAGELLAN ROUTE



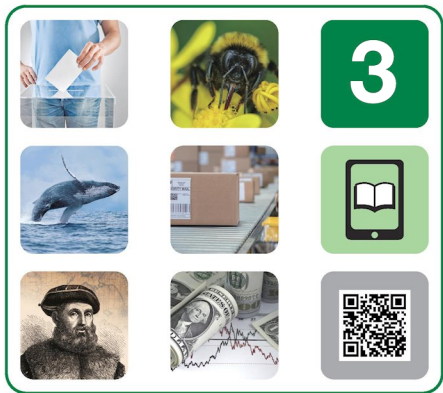
INFLATION



MP3

240

Bricks Reading



NONFICTION

CONTENTS

Subject	Unit	Title (Topic, Text Type)	Page
Life Science			
 Ecosystem & Global Warming	1	The Wonders of Whale Poop (Whales, Expository Text)	06
	2	The Tough Life of a Bumblebee (Bumblebees, Expository Text)	12
Social Studies			
 Environment & Economics	3	E-Commerce Waste: A Growing Problem (E-Commerce Waste, Informational Text)	18
	4	Smart Shopping: A Whole New Way to Shop (Smart Shopping, Narrative Nonfiction)	24
Technology			
 Biotechnology & Cars	5	Please Enter Your ID (Biometrics, Expository Text)	30
	6	A New Riding Experience (Electric Cars, Expository Text)	36
Social Studies			
 Society	7	Are You Old Enough to Vote? (Voting Age, Informational Text)	42
	8	Fewer Children, Fewer People (Population, Informational Text)	48

Subject	Unit	Title (Topic, Text Type)	Page
Social Studies			
Geography	9	The Magellan Route: A New Way Around the World (Magellan's Expedition, Narrative Nonfiction)	54
	10	The Amazing Landforms of Mars (Landforms, Expository Text)	60
Art			
Kinetic Art & Surrealism	11	Bringing Art to Life (Theo Jansen, Narrative Nonfiction)	66
	12	Surrealism: Making Dreams into Art (René Magritte, Narrative Nonfiction)	72
Social Studies			
Economics	13	Sugary Drinks: A Sweet Taste, A Higher Tax (Tax, Informational Text)	78
	14	Inflation: The Same Goods, Higher Prices (Inflation, Expository Text)	84
Social Studies			
People	15	Dean Kamen: An Inventor with a Big Heart (Dean Kamen, Biographical Text)	90
	16	Zaha Hadid: Curves in Architecture (Zaha Hadid, Biographical Text)	96



The Wonders of Whale Poop



Ew! The whale is pooping. Whales poop an enormous amount! It's gross, isn't it? But whale poop is important for the oceans and for us too!

Think?! & Talk

- How do whales work in our ecosystem?
- What will happen if whales become extinct?

Build Vocabulary

Track 02

mammal

n. a warm-blooded animal that feeds milk to its young and that usually has fur

poop

v. to pass waste from the body

marine

adj. found in or produced by the sea

surface

n. the top part or layer of something

iron

n. a metal element found in blood and in all living things

organism

n. an animal, plant, human, or any other living thing

breathe

v. to take air into and out of the lungs

guardian

n. someone who protects something

VISUALIZE | Look and match to complete the sentences.



- 1 Mammals feed their lives in the aquarium.
- 2 A variety of marine life full of organisms.
- 3 The forest is babies with milk.

APPLY | Fill in the blanks to complete the sentences.

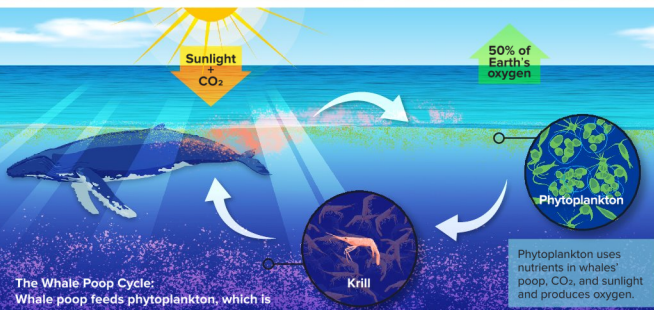
surface guardians poop iron breathe

- 1 A lack of _____ in the blood can cause health problems.
- 2 Harry taught his dog to _____ in a box.
- 3 The police are _____ who protect people from dangers.
- 4 It's difficult to _____ because there's too much dust in the air.
- 5 About 71 percent of Earth's _____ is covered by water.

THE WONDERS OF WHALE POOP

Whales are the biggest **mammals** on Earth, and they eat a lot. So, they also **poop** a lot. Sounds pretty gross, right? But whale poop keeps our **marine** life healthy. People used to think whales would eat all the fish and leave the oceans empty. However, it's the opposite!

First of all, whales poop near the ocean's **surface**. Their poop has lots of **iron** and other nutrients in it. When the sun shines down on their iron-rich poop, guess what happens? Phytoplankton begins to grow! Phytoplankton is a tiny **organism** that floats on the water. When there's plenty of phytoplankton, you'll find lots of krill and small fish. That's because they **feed on** phytoplankton. Now, what happens when there are lots of krill? The whales will come up and eat them! And after a big meal, they will poop near the surface. This results in more phytoplankton, then more krill, and more whales. It helps the ocean ecosystem go round.



But whale poop does more than that. As the phytoplankton grows, it pulls carbon dioxide from the atmosphere. Then it releases oxygen. This makes the air cleaner and easier for animal life to **breathe**. Now that's amazing!

As you can see, whales are the **guardians** that keep our oceans busy and healthy. If we want more fish, we'll need more whales. So let's make sure to protect them and help them do their job!

READING CHECK ✓

Which paragraph describes how whale poop cleans the air?

- 1st 2nd 3rd

WORD CHECK ✓

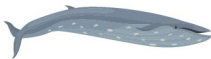
What is the closest meaning for the phrase "feed on"? to eat food to give food



Read a Chart

Endangered Whales

Whales are at the top of the food chain and have an important role in keeping our oceans busy and healthy. However, some great whale species are on the endangered list.



Blue Whale

Length 25–26.2 m
Weight 100–120 tons
Estimated number 5,000–15,000



Sei Whale

Length 13.6–16 m
Weight 20–25 tons
Estimated number 50,000



North Atlantic Right Whale

Length 13–18 m
Weight 40–80 tons
Estimated number 300–500

Source: IUCN, WWF

VISUAL CHECK ✓

What large whale's estimated population is no more than 500?

- Blue whale Sei whale North Atlantic right whale



Whale Threats



Ship Strike / Fish Gear



Whaling



Pollution / Climate Change

Comprehend It!

Choose the correct answers.

- 1 What is the passage mainly about?**
 - a. how whale poop helps the ocean
 - b. where whales go to poop
 - c. why whales eat so much fish
- 2 What did people use to think about whales?**
 - a. They thought whales pooped too much.
 - b. They thought whales looked kind of gross.
 - c. They thought whales would empty the ocean.
- 3 Phytoplankton grows with _____ and _____.**
 - a. iron-rich whale poop, krill
 - b. organisms, CO₂
 - c. sunlight, iron-rich whale poop
- 4 What is NOT true according to the passage?**
 - a. Phytoplankton becomes food for other marine animals.
 - b. Whale poop results in more phytoplankton and krill.
 - c. Phytoplankton pulls oxygen from the atmosphere.
- 5 What can be inferred from the passage?**
 - a. We need to protect whales from other humans.
 - b. Our oceans today are healthier than ever.
 - c. Some fish follow whales and eat their poop.

Write It!

relative pronoun: that

- 1 Circle the best place for the word "that" in the sentence.**

Phytoplankton is (**a**) a tiny organism (**b**) floats (**c**) on the water.

- 2 Join the two sentences using the word "that."**

Krill are tiny, shrimp-like creatures. Krill feed on phytoplankton.

